

14648 NE 95<sup>th</sup> Street, Redmond, WA 98052 • (425) 883-3881

December 16, 2005

Matt Schultz MCS Environmental, Inc. 6505 216th Street SW, Suite 100 Mount Lake Terrace, WA 98043

Re: Analytical Data for Project 360090.004

Laboratory Reference No. 0512-097

Dear Matt:

Enclosed are the analytical results and associated quality control data for samples submitted on December 14, 2005.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister Project Manager

**Enclosures** 

Laboratory Reference: 0512-097

Project: 360090.004

### **Case Narrative**

Samples were collected on December 14, 2005 and received by the laboratory on December 14, 2005. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Laboratory Reference: 0512-097

Project: 360090.004

**NWTPH-Dx** 

Date Extracted: 12-15-05 Date Analyzed: 12-15-05

Matrix: Soil

Flags:

Units: mg/kg (ppm)

Client ID: W-2 8K Bottom W-28K SIDES Lab ID: 12-097-01 12-097-02 ND ND Diesel Range: PQL: 29 30 Identification: Lube Oil Range: ND ND PQL: 59 60 Identification: Surrogate Recovery o-Terphenyl: 100% 98%

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Laboratory Reference: 0512-097

Project: 360090.004

# NWTPH-Dx METHOD BLANK QUALITY CONTROL

Date Extracted: 12-15-05 Date Analyzed: 12-15-05

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: MB1215S1

Diesel Range: ND PQL: 25

Identification: ---

Lube Oil Range: ND PQL: 50

Identification: ---

Surrogate Recovery

o-Terphenyl: 109%

Flags: Y

Laboratory Reference: 0512-097

Project: 360090.004

# NWTPH-Dx DUPLICATE QUALITY CONTROL

12-098-01 DUP

Date Extracted:	12-15-05
Date Analyzed:	12-15-05
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	12-098-01

Diesel Range: ND ND PQL: 25 25

RPD: N/A

Surrogate Recovery

o-Terphenyl: 99% 104%

Flags: Y Y

Laboratory Reference: 0512-097

Project: 360090.004

## % MOISTURE

Date Analyzed: 12-15-05

Client ID	Lab ID	% Moisture						
W2 8K Bottom	12-097-01	15						
W2 8K SIDES	12-097-02	16						



#### **Data Qualifiers and Abbreviations**

- A Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B The analyte indicated was also found in the blank sample.
- C The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E The value reported exceeds the quantitation range and is an estimate.
- F Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- G Insufficient sample quantity for duplicate analysis.
- H The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I Compound recovery is outside of the control limits.
- J The value reported was below the practical quantitation limit. The value is an estimate.
- K Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L The RPD is outside of the control limits.
- M Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.
- O Hydrocarbons indicative of diesel fuel are present in the sample and are impacting the gasoline result.
- P The RPD of the detected concentrations between the two columns is greater than 40.
- Q Surrogate recovery is outside of the control limits.
- S Surrogate recovery data is not available due to the necessary dilution of the sample.
- T The sample chromatogram is not similar to a typical .
- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- V Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X Sample extract treated with a silica gel cleanup procedure.
- Y Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL

PQL - Practical Quantitation Limit

RPD - Relative Percent Difference

# Chain of Custody

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Environmental Inc. 14848 NE 95th Street • Redmond, WA 98052	Turnaround Request (in working days) Laboratory Number:						er: 12-097														
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